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EL841130364US)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. 10/586,072

Applicant: BROUGH, Douglas E.

Filed: September 1, 2006

TC/AU:

Examiner:

Docket No.: 253625

Customer No.: 23460

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**RESPONSE TO NOTIFICATION TO COMPLY WITH REQUIREMENTS
FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE AND/OR
AMINO ACID SEQUENCE DISCLOSURES**

Dear Sir:

Applicants gratefully acknowledge the Notification to Comply with Requirements for Patent Applications Containing Nucleotide and/or Amino Acid Sequence Disclosures mailed on October 23, 2006, a copy of which is enclosed herewith.

A substitute computer-readable sequence listing is submitted herewith.

Because of a clerical error, the computer-readable sequence listing submitted with the patent application on July 14, 2006, contained the incorrect sequence listing (a sequence listing belonging to a different patent application) and did not match the paper copy of the sequence listing submitted with the patent application on July 14, 2006.

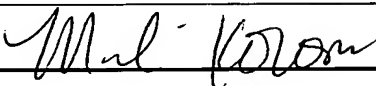
The undersigned verifies that the content of the substitute computer-readable sequence listing enclosed herewith is identical to the paper copy of the sequence listing filed with the patent application on July 14, 2006, and that accordingly the substitute computer-readable copy of the sequence listing enclosed herewith discloses no new matter.


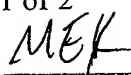

Respectfully submitted,



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Date: November 6, 2006

MAILING/TRANSMISSION CERTIFICATE UNDER 37 CFR 1.8 OR 1.10			
I hereby certify that this document and all accompanying documents are, on the date indicated below, being			
<input checked="" type="checkbox"/> deposited with the United States Postal Service "Express Mail Post Office To Addressee" Service under 37 CFR 1.10 in an envelope addressed in the same manner indicated on this document with Express Mail Label Number EL841130364US ,			
<input type="checkbox"/> deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed in the same manner indicated on this document, or			
<input type="checkbox"/> facsimile transmitted to the U.S. Patent and Trademark Office at fax number: (571) 273-8300.			
Name (Print/Type)	Melissa E. Kolom 51,860		
Signature		Date	November 6, 2006

To:  cc: 
LVM 253625, 

UNITED STATES PATENT AND TRADEMARK OFFICE

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U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/586,072	Douglas E Brough	253625

INTERNATIONAL APPLICATION NO.

PCT/US04/04891

I.A. FILING DATE	PRIORITY DATE
02/19/2004	02/24/2003

23460
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RECEIVED

JC

OCT 30 2006

CONFIRMATION NO. 7914
371 FORMALITIES LETTER

OC000000020921735

Date Mailed: 10/23/2006

PAT/TM Due Date

12/29/06
4/23/07 - Final

MPM

**NOTIFICATION TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS
CONTAINING NUCLEOTIDE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

Applicant is given **TWO MONTHS FROM THE DATE OF THIS NOTICE** within which to file the items indicated below to avoid abandonment. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

- The paper or compact disc copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). Applicant must provide a substitute paper or compact disc copy of the "Sequence Listing", **as well as an amendment specifically directing its entry into the application** OR a substitute computer readable form (CRF) copy of the "Sequence Listing". These two items must be the same. Applicant must also provide a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000).

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:

- For Rules Interpretation, call (571) 272-0951
- For Patent Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.
- Send e-mail correspondence for Patent Software Program Help @ ebc@uspto.gov

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

A copy of this notice **MUST** be returned with the response.

ANITA D JOHNSON

Telephone: (703) 308-9140 EXT 226

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/586,072	PCT/US04/04891	253625

FORM PCT/DO/EO/922 (371 Formalities Notice)